



SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH The critical sector in advancing California into a high-tech future

The independent, nonprofit higher education sector (ICCU)—represented by AICCU—is a critical contributor to the workforce at the edge of science and technology, particularly in the advanced degrees. Independent, nonprofit higher education institutions and their innovations in science and engineering have helped make the state the world leader in the STEM fields.

QUICK FACTS

... ICCU institutions graduate **one-third** of **master's** and **doctorate engineering degrees** in California.

... ICCU colleges and universities graduate **48%** of **master's degrees in computer and information sciences** and **27%** of doctorates in the field.

... over a third—**37%**—of **master's and doctorate degrees in statistics** were produced at ICCU institutions.

... the independent, nonprofit higher education sector plays a critical role in producing graduates in the **physical sciences**, particularly at the **doctorate level**—**31%** of graduates are from ICCU institutions.

Engineering Bachelor's Degree			
ICCU	CSU	UC	Total
1,694	4,879	5,415	11,988
14%	41%	45%	

Computer, Information Sciences, and Support Services Research/Scholarship			
ICCU	CSU	UC	Total
68	0	181	249
27%	0%	73%	

Engineering Master's Degree			
ICCU	CSU	UC	Total
2,597	2,788	2,436	7,821
33%	36%	31%	

Mathematics and Statistics Master's Degree			
ICCU	CSU	UC	Total
365	319	307	991
37%	32%	31%	

Engineering Doctor's Degree Research/Scholarship			
ICCU	CSU	UC	Total
387	6	784	1,177
33%	1%	67%	

Mathematics and Statistics Doctor's Degree - Research/Scholarship			
ICCU	CSU	UC	Total
94	0	158	252
37%	0%	63%	

Engineering Doctor's Degree Professional Practice			
ICCU	CSU	UC	Total
1	0	0	1
100%	0%	0%	

Physical Sciences Master's Degree			
ICCU	CSU	UC	Total
1117	248	377	742
16%	33%	51%	

Computer, Information Sciences, and Support Services Bachelor's Degree			
ICCU	CSU	UC	Total
1,038	2,278	2,672	5,988
17%	38%	45%	

Physical Sciences Doctor's Degree - Research/Scholarship			
ICCU	CSU	UC	Total
258	7	562	827
31%	1%	68%	

Computer, Information Sciences, and Support Services Master's Degree			
ICCU	CSU	UC	Total
1,638	918	856	3,412
48%	27%	25%	

Biological and Biomedical Sciences Master's Degree			
ICCU	CSU	UC	Total
251	435	355	1,041
24%	42%	34%	

*Percentage of statewide totals

*Source: IPEDS 12-month enrollment survey 2016-17

AICCU COLLEGES AND UNIVERSITIES

American Jewish University
Antioch University Los Angeles
ArtCenter
Azusa Pacific University
Biola University
Brandman University
California Baptist University
California College of the Arts
California Institute of Integral Studies
California Institute of Technology
California Institute of the Arts
California Lutheran University
Chapman University
Charles R. Drew University of Medicine & Science
Chicago School of Professional Psychology, The
Claremont Graduate University
Claremont McKenna College
Columbia College Hollywood
Concordia University Irvine
Dominican University of California
Fielding Graduate University
Fresno Pacific University
Golden Gate University
Harvey Mudd College
Holy Names University
Humphreys University
International Technological University
John Paul the Great Catholic University
Keck Graduate Institute
La Sierra University
Laguna College of Art and Design
Loma Linda University
Loyola Marymount University
Marymount California University
Master's University, The
Menlo College
Mills College
Mount Saint Mary's University
National University
Notre Dame de Namur University
Occidental College
Otis College of Art and Design
Pacific Union College
Palo Alto University
Pepperdine University
Pitzer College
Point Loma Nazarene University
Pomona College
Providence Christian College
Saint Mary's College of California
Samuel Merritt University
San Diego Christian College
San Francisco Art Institute
San Francisco Conservatory of Music

Santa Clara University
Saybrook University
Scripps College
Simpson University
Soka University
Southern California Institute of Architecture
Southern California University of Health Sciences
Stanford University
Thomas Aquinas College
Touro University California
University of La Verne
University of Redlands
University of Saint Katherine
Univeristy of San Diego
University of San Francisco
University of Southern California
University of the Pacific
University of the West
Vanguard University
Western University of Health Sciences
Westmont College
Whittier College
William Jessup University
Woodbury University

The Association of Independent California Colleges and Universities (AICCU)

is comprised of 78 private nonprofit colleges and universities, which make up the Independent California Colleges and Universities (ICCU) sector. The core mission of these institutions is to improve lives through higher education by honoring a deep commitment to the public good and by embracing diversity. ICCU institutions range from large nationally-ranked research universities to small faith-based colleges. The private nonprofit sector also includes institutions that offer performing and visual arts, and “non-traditional” programs of study, as well as professional schools that specialize in business, law, and medicine. These private nonprofit colleges and universities provide creative and intellectual higher education resources to strengthen California’s future economic vitality while also serving as large employers and community partners within their respective regions. The ICCU sector plays a pivotal role in the development of the state’s model higher education offerings and in making California a symbol of innovation across the globe. Within California, ICCU institutions award over 20% of all undergraduate degrees and over 50% of graduate degrees, making them the largest preparers of California’s advanced workforce.

- ICCU institutions enroll 22% of undergraduate students in California in four-year institutions, nearly 188,800 students.
- ICCU institutions enroll 58%—the majority—of graduate students in California, nearly 165,800 students, making the sector the leader in producing the state’s advanced workforce.
- ICCU institutions enroll over 26,500 Cal Grant students and 49,300 Pell Grant students.
- ICCU institutions proudly serve California and its workforce needs, as 70% of undergraduate students are residents of the state.